# JavaScript UI & DOM

# Team work

# Paint-like Application “PaintJS”

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## Team “Shang Tsung”

Members and their usernames from the student system “Telerik Academy”:

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# Project Description

The purpose of the project is to design and implement a client-side JavaScript Applicationby choice of the team and using the HTML graphic APIs – canvas and SVG.

The choice of the team “Shang Tsung” is to create a Paint-like Application for drawing lines, shapes, etc.

**How to use PaintJS:**

* Start the file **index.html** by double click of the mouse or click mouse’s right button and then select **Open**
* You can choose the shape you want to draw
* There are different shapes to choose – like line, circle, rectangle, chat field, etc.
* You can choose the color of the figure
* To draw the figure, you choose the wanted shape and drag the mouse from the start point to the final point where you want the figure to be
* The figure will appear with some animation effects
* You can choose the brush you want to use to draw
* There are different brushes to choose

## General Requirements

Please define and implement the following assets in your project:

* HTML5 canvas and KineticJS
* SVG and RaphaelJS
* Animations for drawing the shapes
* The application works in the latest versions of the browsers Google Chrome, Mozilla Firefox, Internet Explorer 10/11, Opera and Apple Safari

## Additional Requirements

* Follow the best practices for producing high-quality code using:
* OOP
* Correct naming
* Data encapsulation
* Strong cohesion
* Loose coupling
* Use Github as a source control system

## Optional Requirements

* Use DOM-manipulations – native DOM-API and jQuery

## URL / GIT repository

The URL address for the team “Shang Tsung” project is:

<https://github.com/TeamShangTsung/Paint.JS>

## Other Information

To make this API the members of the team “Shang Tsung” used Skype to allocate tasks.

Everyone had different task to make but they all had to be team member.

The main goal of this work is people have the opportunity to take participation and to work in a team.